

Substitute for Form 1449 A & B/PTO		<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)		Complete if Known	
				Application Number	10/575,081
		Confirmation Number	8636		
		Filing Date	April 7, 2006		
		First Named Inventor	Fumio MATSUMOTO		
		Art Unit	<del>Not Yet Assigned</del> 2792		
		Examiner Name	<del>Not Yet Assigned</del> Hiteshew		
Sheet	1	of	1	Attorney Docket Number	Q77954

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code <sup>2</sup> (if known)		
		US			
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## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
	/F.H./	EP	1 634 981	A1	03-15-2006	SUMITOMO ELECTRIC INDUSTRIES, LTD.	

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation <sup>6</sup>

Examiner Signature	/Felisa Hiteshew/	Date Considered	10/27/2007
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov), MPEP 901.04 or follow the hyperlink from the title of the document to the intranet. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to indicate here if English language Translation is attached.

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Sheet

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of 1

Complete if Known

Application Number	10/575,081
Confirmation Number	8636
Filing Date	November 28, 2006
First Named Inventor	Fumio MATSUMOTO
Art Unit	1722 2492
Examiner Name	Not Yet Assigned (Hiteshew)
Attorney Docket Number	Q77954

**U.S. PATENT DOCUMENTS**

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		Number	Kind Code <sup>2</sup> (if known)		
/F.H./		US 2007/0079751	A1	04-12-2007	MATSUMOTO
		US			
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/F.H./		DE	11 2004 001 269	T5	07-20-2006	SHOWA DENKO KK	Abstract (of corresponding US 2007/0079751 A1)

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/F.H./		Yasumasa OKADA, et al.; "Mechanism of a Reduction of Dislocation Densities in Vertical-Gradient-Freeze-Grown GaAs Single Crystals"; Japanese Journal of Applied Physics; Vol. 29; No. 11; November 1990; pp. L 1954-L 1956	

Examiner Signature

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Application Number	10/575,081
Confirmation Number	Not Yet Assigned
Filing Date	April 7, 2006
First Named Inventor	Fumio MATSUMOTO
Art Unit	Not Yet Assigned - 1792
Examiner Name	Not Yet Assigned Hiteshew
Attorney Docket Number	Q77954

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		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
/F.H./		JP	10-87392		04-07-1998	JAPAN ENERGY CORP	Abstract

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/F.H./		Keigo HOSHIKAWA; "Technique for Growing Bulk Crystal"; Advanced Electronics Series I-4; Baifukan Publishing Co.; 1994; pp. 238-241	Yes
/F.H./		Jun-ichi NISHIZAWA; "Crystal Growth of Compound Semiconductors and its Evaluation No. 6"; Journal of Semiconductor Research; Vol. 35; August 5, 1991; pp. 16-19	Yes

Examiner Signature	/Felisa Hiteshew/	Date Considered	10/27/2007
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				Application Number	Based on PCT/JP2004/015311	
				Confirmation Number	Unknown	
				Filing Date	April 07, 2006	
				First Named Inventor	Fumio MATSUMOTO	
				Art Unit	Unknown 1798	
Examiner Name	Unknown Hiteshe					
Attorney Docket Number	Q77954					
Sheet	1	of	1			

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		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
/F.H./		JP	3-40987	A	02-21-1991	NIPPON TELEGR & TELEPH CORP	Abstract
/F.H./		JP	10-139597	A	05-26-1998	JAPAN ENERGY CORP	Abstract & Machine translation

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/F.H./		J. Amon, et al., "Influence of the crucible shape on the formation of facets and twins in the growth of GaAs by the vertical gradient freeze technique", Journal of Crystal Growth, Vol. 187, pp. 1-8, 1998	

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